



PTO/SB/17 (12/99)  
Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL

## for FY 2000

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$2,192.00)

### Complete if Known

Application Number 09/817,459  
Filing Date March 26, 2001  
First Named Inventor Fritz Schwertfeger  
Examiner Name Lovering, R.D.  
Group / Art Unit 1712  
Attorney Docket No. HOE96/F319CON

RECEIVED  
JAN 30 2003  
TC 1700

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																			
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number 19-0733</p> <p>Deposit Account Name Banner &amp; Witcoff, LTD</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17</p> <p>2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>		<h3>3. ADDITIONAL FEES</h3> <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Small Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td>0.00</td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>0.00</td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td>0.00</td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td>0.00</td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td>0.00</td></tr><tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td>0.00</td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td>0.00</td></tr><tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for reply within second month</td><td>0.00</td></tr><tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for reply within third month</td><td>920.00</td></tr><tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Extension for reply within fourth month</td><td>0.00</td></tr><tr><td>128</td><td>1,850</td><td>228</td><td>925</td><td>Extension for reply within fifth month</td><td>0.00</td></tr><tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td>0.00</td></tr><tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td>0.00</td></tr><tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td>0.00</td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td>0.00</td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td>0.00</td></tr><tr><td>141</td><td>1,210</td><td>241</td><td>605</td><td>Petition to revive - unintentional</td><td>0.00</td></tr><tr><td>142</td><td>1,210</td><td>242</td><td>605</td><td>Utility issue fee (or reissue)</td><td>0.00</td></tr><tr><td>143</td><td>430</td><td>243</td><td>215</td><td>Design issue fee</td><td>0.00</td></tr><tr><td>144</td><td>580</td><td>244</td><td>290</td><td>Plant issue fee</td><td>0.00</td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td>0.00</td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td>0.00</td></tr><tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td>0.00</td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>0.00</td></tr><tr><td>146</td><td>690</td><td>246</td><td>345</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td>0.00</td></tr><tr><td>149</td><td>690</td><td>249</td><td>345</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td>0.00</td></tr><tr><td colspan="5">Other fee (specify) Terminal Disclaimer</td><td>110.00</td></tr><tr><td colspan="5">Other fee (specify)</td><td>0.00</td></tr><tr><td colspan="5">SUBTOTAL (3) (\$)</td><td>1,030.00</td></tr></tbody></table>		Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath	0.00	127	50	227	25	Surcharge - late provisional filing fee or cover sheet	0.00	139	130	139	130	Non-English specification	0.00	147	2,520	147	2,520	For filing a request for reexamination	0.00	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	0.00	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	0.00	115	110	215	55	Extension for reply within first month	0.00	116	380	216	190	Extension for reply within second month	0.00	117	870	217	435	Extension for reply within third month	920.00	118	1,360	218	680	Extension for reply within fourth month	0.00	128	1,850	228	925	Extension for reply within fifth month	0.00	119	300	219	150	Notice of Appeal	0.00	120	300	220	150	Filing a brief in support of an appeal	0.00	121	260	221	130	Request for oral hearing	0.00	138	1,510	138	1,510	Petition to institute a public use proceeding	0.00	140	110	240	55	Petition to revive - unavoidable	0.00	141	1,210	241	605	Petition to revive - unintentional	0.00	142	1,210	242	605	Utility issue fee (or reissue)	0.00	143	430	243	215	Design issue fee	0.00	144	580	244	290	Plant issue fee	0.00	122	130	122	130	Petitions to the Commissioner	0.00	123	50	123	50	Petitions related to provisional applications	0.00	126	240	126	240	Submission of Information Disclosure Stmt	0.00	581	40	581	40	Recording each patent assignment per property (times number of properties)	0.00	146	690	246	345	Filing a submission after final rejection (37 CFR § 1.129(a))	0.00	149	690	249	345	For each additional invention to be examined (37 CFR § 1.129(b))	0.00	Other fee (specify) Terminal Disclaimer					110.00	Other fee (specify)					0.00	SUBTOTAL (3) (\$)					1,030.00
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																																		
105	130	205	65	Surcharge - late filing fee or oath	0.00																																																																																																																																																																																
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	0.00																																																																																																																																																																																
139	130	139	130	Non-English specification	0.00																																																																																																																																																																																
147	2,520	147	2,520	For filing a request for reexamination	0.00																																																																																																																																																																																
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	0.00																																																																																																																																																																																
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	0.00																																																																																																																																																																																
115	110	215	55	Extension for reply within first month	0.00																																																																																																																																																																																
116	380	216	190	Extension for reply within second month	0.00																																																																																																																																																																																
117	870	217	435	Extension for reply within third month	920.00																																																																																																																																																																																
118	1,360	218	680	Extension for reply within fourth month	0.00																																																																																																																																																																																
128	1,850	228	925	Extension for reply within fifth month	0.00																																																																																																																																																																																
119	300	219	150	Notice of Appeal	0.00																																																																																																																																																																																
120	300	220	150	Filing a brief in support of an appeal	0.00																																																																																																																																																																																
121	260	221	130	Request for oral hearing	0.00																																																																																																																																																																																
138	1,510	138	1,510	Petition to institute a public use proceeding	0.00																																																																																																																																																																																
140	110	240	55	Petition to revive - unavoidable	0.00																																																																																																																																																																																
141	1,210	241	605	Petition to revive - unintentional	0.00																																																																																																																																																																																
142	1,210	242	605	Utility issue fee (or reissue)	0.00																																																																																																																																																																																
143	430	243	215	Design issue fee	0.00																																																																																																																																																																																
144	580	244	290	Plant issue fee	0.00																																																																																																																																																																																
122	130	122	130	Petitions to the Commissioner	0.00																																																																																																																																																																																
123	50	123	50	Petitions related to provisional applications	0.00																																																																																																																																																																																
126	240	126	240	Submission of Information Disclosure Stmt	0.00																																																																																																																																																																																
581	40	581	40	Recording each patent assignment per property (times number of properties)	0.00																																																																																																																																																																																
146	690	246	345	Filing a submission after final rejection (37 CFR § 1.129(a))	0.00																																																																																																																																																																																
149	690	249	345	For each additional invention to be examined (37 CFR § 1.129(b))	0.00																																																																																																																																																																																
Other fee (specify) Terminal Disclaimer					110.00																																																																																																																																																																																
Other fee (specify)					0.00																																																																																																																																																																																
SUBTOTAL (3) (\$)					1,030.00																																																																																																																																																																																
<h3>1. BASIC FILING FEE</h3> <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Small Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101</td><td>690</td><td>201</td><td>345</td><td>Utility filing fee</td><td>0.00</td></tr><tr><td>106</td><td>310</td><td>206</td><td>155</td><td>Design filing fee</td><td></td></tr><tr><td>107</td><td>480</td><td>207</td><td>240</td><td>Plant filing fee</td><td></td></tr><tr><td>108</td><td>690</td><td>208</td><td>345</td><td>Reissue filing fee</td><td></td></tr><tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5">SUBTOTAL (1) (\$)</td><td>0.00</td></tr></tbody></table> <h3>2. EXTRA CLAIM FEES</h3> <table border="1"><thead><tr><th>Total Claims</th><th>Extra Claims</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>87</td><td>-20** = 21</td><td>X 18 = 378</td><td></td></tr><tr><td>Independent Claims</td><td>13</td><td>- 3** = 6</td><td>X 84 = 504</td></tr><tr><td>Multiple Dependent</td><td></td><td>280</td><td>= 280</td></tr></tbody></table> <p>**or number previously paid, if greater; For Reissues, see below</p> <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Small Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>102</td><td>78</td><td>202</td><td>39</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>104</td><td>260</td><td>204</td><td>130</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>109</td><td>78</td><td>209</td><td>39</td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="5">SUBTOTAL (2) (\$)</td><td>1,162.00</td></tr></tbody></table>		Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	101	690	201	345	Utility filing fee	0.00	106	310	206	155	Design filing fee		107	480	207	240	Plant filing fee		108	690	208	345	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1) (\$)					0.00	Total Claims	Extra Claims	Fee from below	Fee Paid	87	-20** = 21	X 18 = 378		Independent Claims	13	- 3** = 6	X 84 = 504	Multiple Dependent		280	= 280	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	78	202	39	Independent claims in excess of 3		104	260	204	130	Multiple dependent claim, if not paid		109	78	209	39	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) (\$)					1,162.00	<p>*Reduced by Basic Filing Fee Paid</p>																																																																																			
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																																		
101	690	201	345	Utility filing fee	0.00																																																																																																																																																																																
106	310	206	155	Design filing fee																																																																																																																																																																																	
107	480	207	240	Plant filing fee																																																																																																																																																																																	
108	690	208	345	Reissue filing fee																																																																																																																																																																																	
114	150	214	75	Provisional filing fee																																																																																																																																																																																	
SUBTOTAL (1) (\$)					0.00																																																																																																																																																																																
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																		
87	-20** = 21	X 18 = 378																																																																																																																																																																																			
Independent Claims	13	- 3** = 6	X 84 = 504																																																																																																																																																																																		
Multiple Dependent		280	= 280																																																																																																																																																																																		
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																																		
103	18	203	9	Claims in excess of 20																																																																																																																																																																																	
102	78	202	39	Independent claims in excess of 3																																																																																																																																																																																	
104	260	204	130	Multiple dependent claim, if not paid																																																																																																																																																																																	
109	78	209	39	** Reissue independent claims over original patent																																																																																																																																																																																	
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																	
SUBTOTAL (2) (\$)					1,162.00																																																																																																																																																																																

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Peter D. McDermott	Registration No. (Attorney/Agent)	29,411
Signature		Telephone	1-617-227-7111
		Date	24 Jan 2003

### WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.